| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|--|---|---------------------|---------|------------------|
| S1 | 131 | (348/272).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:50 |
| S2 | 1920 | interpolat\$4 and thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:32 |
| S3 | 401 | (interpolat\$4 and thinning) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:12 |
| S4 | 62 | ((interpolat\$4 and thinning) and (red and blue and green)) and lcd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 16:52 |
| S5 | 58 | (((interpolat\$4 and thinning) and (red and blue and green)) and lcd) and pixel\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:13 |
| S6 | 788 | interpolat\$4 with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:10 |
| S7 | 0 | ((348/272).CCLS.) and interpolat\$4 with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:04 |
| S8 . | 54 | ((348/272).CCLS.) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:04 |
| S9 | 5 | (((348/272).CCLS.) and interpolat\$4) and thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:08 |

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| S10 | 10 | (((348/272).CCLS.) and interpolat\$4) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:08 |
| S11 | 153 | (interpolat\$4 with thinning) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:10 |
| S12 | 146 | ((interpolat\$4 with thinning) and (red and blue and green)) and pixel\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:37 |
| S13 | 95 | (((interpolat\$4 with thinning) and (red and blue and green)) and pixel\$2) and camera | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:23 |
| S14 | 84 | ((((interpolat\$4 with thinning) and (red and blue and green)) and pixel\$2) and camera) and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:23 |
| S15 | 416 | (interpolat\$4 with thinning) and pixel\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:37 |
| S16 | 222 | ((interpolat\$4 with thinning) and pixel\$2) and matrix | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:37 |
| S17 | 115 | (((interpolat\$4 with thinning) and pixel\$2) and matrix) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:13 |
| S18 | 39 | ((((interpolat\$4 with thinning) and pixel\$2) and matrix) and (red and blue and green)) and (diode\$2 or photo-diod\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 17:39 |
| S19 | 6 | ("4642678" "4967264" "5519452" "5734427" "5828406" "5909247").PN. | USPAT | OR | OFF | 2003/10/30 17:43 |
| S20 | 0 | "6593965".URPN. | USPAT | OR | OFF | 2003/10/30 17:44 |

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| S21 | 6 | ((348/272).CCLS.) and thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:07 |
| S22 | 33 | ((348/272).CCLS.) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:08 |
| S23 | 10 | (((348/272).CCLS.) and thin\$4) and interpol\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:08 |
| S24 | 31864 | interpolat\$4 and lines | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:10 |
| S25 | 6263 | interpolat\$4 with (lines or coloumns or rows) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:10 |
| S26 | 961 | (interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:11 |
| S27 | 770 | ((interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green)) and pixel\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:12 |
| S28 | 1456898 | (((interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green)) and pixel\$2) nd display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:12 |
| S29 | 656 . | (((interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green)) and pixel\$2) and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:12 |
| S30 | 510 | ((((interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green)) and pixel\$2) and display) and resolution | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:12 |

| S31 | 276 | (interpolat\$4 with thinning) and resolution | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:12 |
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| S32 | 194 | ((interpolat\$4 with thinning) and resolution) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:13 |
| S33 | 76 | (((interpolat\$4 with thinning) and resolution) and pixels) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:25 |
| S34 | 59 | (interpolat\$4 and thinning) and reduction adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:33 |
| S35 | 13297 | interpolat\$4 and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:33 |
| S36 | 1401 | interpolat\$4 with thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:33 |
| S37 | 42 | (interpolat\$4 with thin\$4) and reduction adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:57 |
| S38 | 4 | (interpolat\$4 with thin\$4) with reduction adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:33 |
| 539 | 0 | thinning adj before adj interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2003/10/30 18:57 |
| S40 | 0 | thinning near2 before adj interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:57 |

| S41 | 4 | thinning near2 before near2 interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/30 18:57 |
|-----|--------|--|---|------|-----|------------------|
| S42 | 218 | line adj dropping | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR · | OFF | 2003/11/03 10:50 |
| S43 | 22 | (line adj dropping) and interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:52 |
| S44 | 100674 | display and camera | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR · | OFF | 2003/11/03 10:52 |
| S45 | 8140 | (display and camera) and interpolat\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:53 |
| S46 | 6496 | ((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:54 |
| S47 | 3878 | (((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:54 |
| S48 | 505 | ((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:56 |
| S49 | 212 | (((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:57 |
| S50 | 100 | ((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and red | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:56 |

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| S51 | 91 | (((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and red) and green | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:56 |
| S52 | 89 | (((((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and red) and green) and blue | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:57 |
| S53 | 165 | ((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and RGB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:59 |
| S54 | 212 | ((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 10:57 |
| S55 | 175 | ((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and (RGB or (red and green and blue)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 11:00 |
| S56 | 54 | (((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and (RGB or (red and green and blue))) and lcd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 11:02 |
| S57 | 12 | (((((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and (RGB or (red and green and blue))) and lcd) and interpolation with compression | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 11:08 |
| S58 | 65 | thin\$4 with (before or prior) with interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:18 |
| S59 | 65 | (348/333.11).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:47 |

| S60 | 20 | ((348/333.11).CCLS.) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:30 |
|-----|------|--|---|------|-----|------------------|
| S61 | 13 | (((348/333.11).CCLS.) and thin\$4) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:20 |
| S62 | 0 | "20030122952".URPN. | USPAT | OR | OFF | 2003/11/03 13:24 |
| S63 | 7 | (((348/333.11).CCLS.) and thin\$4) not ((((348/333.11).CCLS.) and thin\$4) and interpolat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:30 |
| S64 | 45 | ((348/333.11).CCLS.) not (((348/333.11).CCLS.) and thin\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:32 |
| S65 | . 35 | (((348/333.11).CCLS.) not (((348/333.11).CCLS.) and thin\$4)) and reduc\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:32 |
| S66 | 10 | ((((348/333.11).CCLS.) not (((348/333.11).CCLS.) and thin\$4)) and reduc\$5) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2003/11/03 13:32 |
| S67 | 0 | ((348/333.11).CCLS.) and reduction adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:36 |
| S68 | 0 | genarate with thumbnail adj image | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:36 |
| S69 | 0 | genarate with thumbnail adj image | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:36 |

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| S70 | 1533 | thumbnail adj image | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:37 |
| S71 | 543 | (thumbnail adj image) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:37 |
| S72 | 28 | ((thumbnail adj image) and pixels) and 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:39 |
| S73 | 1 | (((thumbnail adj image) and pixels) and 1/3) and 1/5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:37 |
| S74 | 37458 | resolution with reduc\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:40 |
| S75 | 4559 | (resolution with reduc\$5) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:41 |
| S76 | 1000 | ((resolution with reduc\$5) and interpolat\$4) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 13:41 |
| S77 | 87 | (348/333.05).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF. | 2003/11/03 14:06 |
| S78 | 14 | ((348/333.05).CCLS.) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:08 |

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| S79 | 7 | (((348/333.05).CCLS.) and interpolat\$4) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:11 |
| S80 | 631056 | compression | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:11 |
| S81 | 19938 | compression and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:11 |
| S82 | 20 | (compression and pixels) and (3x3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:12 |
| S83 | 2591 | (compression and pixels) and compression adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:12 |
| S84 | 972 | ((compression and pixels) and compression adj ratio) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:13 |
| S85 | 407 | (((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:13 |
| S86 | 8 | ((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (3x3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:14 |
| S87 | 114349 | ((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and rgb or (red and green and blue) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:15 |
| S88 | 267 | ((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:15 |

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| S89 | 66 | (((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue))) and 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:15 |
| S90 | 174 | (((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue))) and (column\$3 and row\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:16 |
| S91 | 167 | ((((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue))) and (column\$3 and row\$2)) and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:16 |
| S92 | 54 | (((((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue))) and (column\$3 and row\$2)) and display) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:16 |
| S93 | 2 | color adj interpolation with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:31 |
| S94 | 554 | interpolation with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:47 |
| S95 | 59 | (interpolation with thinning) with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:47 |
| S96 | 246 | (interpolation with thinning) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:47 |
| S97 | 187 | ((interpolation with thinning) and pixels) not ((interpolation with thinning) with pixels) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:47 |

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| S98 | 788 | interpolat\$4 with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:47 |
| S99 | 1401 | interpolat\$4 with thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:47 |
| S10 0 | 646 | (interpolat\$4 with thin\$4) and pixel\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:52 |
| S10 1 | 30 | ((interpolat\$4 with thin\$4) and pixel\$3) and ("same" adj arrangement) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2003/11/03 14:49 |
| S10 2 | 90078 | ((interpolat\$4 with thin\$4) and pixel\$3) (rows and columns) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 14:53 |
| S10 3 | 105 | ((interpolat\$4 with thin\$4) and pixel\$3) and (rows and columns) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 15:01 |
| S10 4 | 45706 | nikon .asn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 15:01 |
| S10 5 | 89 | (nikon .asn.) and kuroiwa | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 15:02 |
| S10 6 | 6972 | "89" and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 15:02 |
| S10 7 | 7 | ((nikon .asn.) and kuroiwa) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 15:06 |

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| S10 8 | 9579 | image adj compression | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/03 15:06 |
| S10 9 | 37951 | resolution with (reduce or redu\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:36 |
| S11 0 | 14247 | (resolution with (reduce or redu\$6)) and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:17 |
| S11 1 | 169 | ((resolution with (reduce or redu\$6)) and display) and third adj column | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:20 |
| S11 2 | 37 | (((resolution with (reduce or redu\$6)) and display) and third adj column) and fifth adj column | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 09:44 |
| S11 3 | 2333 | ((resolution with (reduce or redu\$6)) and display) and interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:17 |
| S11 4 | 2878 | ((resolution with (reduce or redu\$6)) and display) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:19 |
| S11 5 | 2059 | (((resolution with (reduce or redu\$6)) and display) and interpolat\$4) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:20 |
| S11 6 | 35् | ((((resolution with (reduce or redu\$6)) and display) and interpolat\$4) and pixels) and third adj column | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:20 |
| S11 7 | 27825 | image with (resolution or size) with reduc\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:37 |

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|----------|------|--|---|----|-----|------------------|
| S11 8 | 7255 | (image with (resolution or size) with reduc\$6) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:38 |
| S11 9 | 1020 | ((image with (resolution or size) with reduc\$6) and thin\$4) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:38 |
| S12 0 | 1547 | image with (resolution or size) with reduc\$6 with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:37 |
| S12 1 | 544 | (image with (resolution or size) with reduc\$6 with pixels) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:38 |
| S12 2 | 137 | ((image with (resolution or size) with reduc\$6 with pixels) and thin\$4) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 10:38 |
| S12 3 | 54 | (((image with (resolution or size) with reduc\$6 with pixels) and thin\$4) and interpolat\$4) and colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 11:00 |
| S12 4 | 6 | ("4642653" "4969052" "5032851" "5758034" "5818488" "6189993").PN. | USPAT | OR | OFF | 2003/11/04 10:50 |
| S12 5 | 0 | "6328404".URPN. | USPAT | OR | OFF | 2003/11/04 10:51 |
| S12 6 | 31 | thin\$3 with color adj conversion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 11:24 |
| S12 7 | 4 | ("5796429" "5806072" "5870143" "6020920").PN. | USPAT | OR | OFF | 2003/11/04 11:19 |
| S12 8 | 1 | "6201571".URPN. | USPAT | OR | OFF | 2003/11/04 11:21 |
| S12 9 | 1160 | thin\$3 with image with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 11:24 |

| S13 0 | 281 | thin\$3 with image with pixels with display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 11:24 |
|----------|------|--|---|----|-----|------------------|
| S13 1 | 30 | (thin\$3 with image with pixels with display) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 11:24 |
| S13 2 | 6 | ("4642678" "4967264" "5519452" "5734427" "5828406" "5909247").PN. | USPAT | OR | OFF | 2003/11/04 11:33 |
| S13 3 | 10 | (US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did. | US-PGPUB; USPAT | OR | OFF | 2003/11/04 12:45 |
| S13 4 | 1 | ((US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did.) and diod\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:46 |
| S13 5 | 4697 | ((US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did.) and photodiode or photo-diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:46 |
| S13 6 | 0 | ((US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did.) and (photodiode or photo-diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:46 |
| S13 7 | 4678 | image adj sensor and (photodiode or photo-diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:50 |
| S13 8 | 418 | (image adj sensor and (photodiode or photo-diode)) and color adj filters | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:50 |

| S13 9 | 5 | interploat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:47 |
|----------|------|--|---|----|-----|------------------|
| S14 0 | 9 | ((US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did.) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:48 |
| S14 1 | 101 | ((image adj sensor and (photodiode or photo-diode)) and color adj filters) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:48 |
| S14 2 | 1746 | image adj sensor with (photodiode or photo-diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:50 |
| S14 3 | 107 | (image adj sensor with (photodiode or photo-diode)) and color adj filters | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:51 |
| S14 4 | 76 | ((image adj sensor with (photodiode or photo-diode)) and color adj filters) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/04 12:51 |
| S14 5 | 2 | ("5900623").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/23 10:38 |
| S14 6 | 2 | ("5900623").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/05 12:54 |
| S14 7 | 2 | ("5900623").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/10 14:37 |

| S14 8 | 2 | "08256285" | US-PGPUB; USPAT; EPO; JPO; | OR | OFF | 2006/01/11 13:17 |
|----------|------|---|---|----|-----|------------------|
| | | , | DERWENT; IBM_TDB | | | |
| S14 9 | 0 | vellecco .xa. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/11 13:18 |
| S15 0 | 128 | villecco .xa. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/11 13:18 |
| S15 1 | 4 | S150 and pentax | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/11 13:18 |
| S15 2 | 7 | ("4642678" "4967264" "5519452" "5734427" "5828406" "5909247").PN. OR ("6593965"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:35 |
| S15 3 | 10 | (US-20030122952-\$).did. or (US-5038202-\$ or US-5604530-\$ or US-5867634-\$ or US-6002429-\$ or US-6091513-\$ or US-6201571-\$ or US-6328404-\$ or US-6546130-\$ or US-6593965-\$).did. | US-PGPUB; USPAT | OR | OFF | 2006/01/13 10:38 |
| S15 4 | 17 | ("5796429" "5806072" "5870143" "6020920").PN. OR ("6201571"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:40 |
| S15 5 | 2045 | line with thinning | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:41 |
| S15 6 | 125 | S155 and RGB | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:53 |
| S15 7 | 124 | S156 and "1,1" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:41 |
| S15 8 | 0 | S157 and m,n+3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:42 |
| S15 9 | 0 | S157 and "m,n+3" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:42 |

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|----------|-------|--|------------------------------|------|-----|------------------|
| S16 0 | 0 | S157 and "m, n+3" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:42 |
| S16 1 | 4 | S157 and "n+3" | US-PGPUB; USPAT; USOCR | OR . | OFF | 2006/01/13 10:42 |
| S16 2 | | S156 and second adj green | US-PGPUB; USPAT; USOCR | OR . | OFF | 2006/01/13 10:43 |
| S16 3 | 17 | S156 and row\$4 with column\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:44 |
| S16 4 | 7 | ("5463725" "5515497" "5696982" "5801713" "5900876").PN. OR ("6441811").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:49 |
| S16 5 | . 8 | ("4841377" "5724153" "5870174" "5903317" "5907640" "5930007").PN. OR ("6091513"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:52 |
| S16 6 | 12 | S156 and every adj third | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:54 |
| S16 7 | 1 | S156 and every near4 third near4 row | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:58 |
| S16 8 | 156 | thin\$4 and every near4 third near4 row | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:56 |
| S16 9 | 0 | S168 and "every" near4 "other" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:57 |
| S17 0 | 79 | every near4 third near4 row near4 column | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:58 |
| S17 1 | 43671 | (every near4 third near4 row near4 column) nwith thinning | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:58 |
| S17 2 | 0 | (every near4 third near4 row near4 column) with thinning | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:59 |
| S17 3 | 0 | (every near4 third near4 row near4 column) with thin\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:59 |
| S17 4 | 0 | (every near4 forth near4 row near4 column) with thin\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 10:59 |

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| S17 5 | 7 | ("5463725" "5515497" "5696982" "5801713" "5900876").PN. OR ("6441811").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 11:55 |
| S17 6 | 2192 | (thinning or thinned) with pixel\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:00 |
| S17 7 | 31 | S176 and every adj third | US-PGPUB; USPAT; USOCR | OR- | OFF | 2006/01/13 11:56 |
| S17 8 | 1470 | (thinning or thinned) with third | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:00 |
| S17 9 | 9 | (thinning or thinned) with third with row\$2 with column\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:03 |
| S18 0 | 124 | (thinning or thinned) with third with line\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:03 |
| S18 1 | 0 | (thinning or thinned) with third with line\$3 with rgb | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:03 |
| S18 2 | 6 | (thinning or thinned) with third with line\$3 and rgb | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:04 |
| S18 3 | 6 | (thinning or thinned) with third with line\$3 and bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:07 |
| S18 4 | . 70 | reduc\$3 with pixels with third with (line\$4 or rows or columns) | US-PGPUB; USPAT; USOCR | OR · | OFF | 2006/01/13 12:08 |
| S18 5 | 5 | S184 and bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:08 |
| S18 6 | 9 | ("5197108" "5309524" "5319719" "5489990" "5646741" "5870504" "5875268" "5926578" "5943433").PN. OR ("6289133"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:22 |
| S18 7 | 406 | thinning and pixels and 1/3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:22 |
| S18 8 | 7 | thinning with pixels with 1/3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:37 |

| S18 | 37 | ("4703352" "5122873" "5193003" | US-PGPUB; | OR | OFF | 2006/01/13 12:30 |
|----------|---------|---|------------------------------|------|-----|--------------------|
| 9 | I | "5200962" "5293230" "5305103" "5331414" "5384869" "5469216" "5488618" | USPAT; USOCR | | | |
| | | | | | | |
| | | "5610658" "5625712" "5663764" "5666164" "5680225" | | | | |
| | i | "5687257" "5734433" "5739873" "5754702" "5812699" | | | | |
| | İ | "5825313" "5867593" "5870434" "5880784" "5912708" | | | | |
| ·. | | "5930394" "5960116" "5966179" | | | | |
| | | "5969764" "6016164").PN. OR ("6292591").URPN. | | | , | |
| S19 0 | 4 | S189 and rgb | US-PGPUB; USPAT; | OR | OFF | 2006/01/13 12:30 |
| | · | | USOCR | - | | |
| S19 1 | 65 | thinning with 1/3 | US-PGPUB; USPAT; | OR | OFF | 2006/01/13 12:37 |
| | | · | USOCR | | | |
| S19 2 | 0 | thinning with 1/3 with bayer | US-PGPUB; USPAT; | OR | OFF | 2006/01/13 12:38 |
| S19 | 1 | thinning with 1/3 with color | USOCR US-PGPUB; | OR | OFF | 2006/01/13 12:38 |
| 3 | • | dimining with 1/3 with color | USPAT; USOCR | | | 2000/01/13 12.30 |
| S19 4 | 0 | thinning with 1/3 with arrangment | US-PGPUB; USPAT; | OR | OFF | 2006/01/13 12:38 |
| | | | USOCR | | | |
| S19 5 | 0 | thinning with 1/3 with arrangement | US-PGPUB; USPAT; | OR | OFF | 2006/01/13 12:38 |
| 510 | | Alicada with 1/2 with mathema | USOCR | O.D. | 055 | 2006 (01 (12 12 20 |
| S19 6 | 1. | thinning with 1/3 with pattern | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:39 |
| S19 7 | 14 | thinning with 1/3 and maintain | US-PGPUB; USPAT; | OR | OFF | 2006/01/13 12:40 |
| | | | USOCR | | | |
| S19 8 | 0 | thinning with 1/3 and maintain with bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:40 |
| S19 9 | 1 | thinning and maintain with bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:40 |
| S20 0 | 1650912 | maintain | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:40 |

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|----------|---------|--|---|----|-----|------------------|
| S20 1 | 143 | maintain\$4 with bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:40 |
| S20 2 | 1 | maintain\$4 with bayer with thin\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:44 |
| S20 3 | 10 | maintain\$4 with bayer with (thin\$4 or reduc\$4) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:43 |
| S20 4 | 2 | maintain\$4 with bayer with color with filter | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:43 |
| S20 5 | 105 | bayer with thin\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:44 |
| S20 6 | 0 | bayer with thin\$4 with 1/3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:44 |
| S20 7 | 1 | bayer with thin\$4 with third | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 12:44 |
| S20 8 | 6634 | red and green and blue and 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 12:49 |
| S20 9 | 6381665 | red and green and blue and 1/3 and thin\$4 or reduc\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 12:50 |
| S21 0 | 6227 | red and green and blue and 1/3 and (thin\$4 or reduc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 12:50 |
| S21 1 | 404 | S210 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 12:54 |
| S21 2 | 25 | S211 and 1/3 with (reduc\$4 or thin\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:56 |

| S21 3 | 93 | S211 and 1/4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 12:55 |
|----------|-------|---|---|----|-----|------------------|
| S21 4 | 14 | (US-20030122952-\$).did. or (US-5038202-\$ or US-5604530-\$ or US-5867634-\$ or US-6002429-\$ or US-6091513-\$ or US-6201571-\$ or US-6328404-\$ or US-6546130-\$ or US-6593965-\$ or US-6441811-\$ or US-6289133-\$ or US-6292591-\$ or US-5912708-\$).did. | US-PGPUB; USPAT | OR | OFF | 2006/01/13 12:58 |
| S21 5 | 1 | S214 and repeat\$4 with pattern | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 12:59 |
| S21 6 | 12 | S214 and repeat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:02 |
| S21 7 | 13921 | green with blue with red .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:02 |
| S21 8 | 1379 | S217 and (reduc\$4 or thinn\$4) .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:03 |
| S21 9 | 8 | S218 and 1/3 .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:07 |
| S22 0 | 356 | thinned with pixel with data | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:11 |
| S22 1 | 16 | S220 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:07 |

| S22 2 | 2063 | 1/3 with thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:11 |
|----------|--------|--|---|------|-----|------------------|
| S22 3 | 3 | 1/3 with thin\$4 with row with column | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:11 |
| S22 4 | 5 | 1/3 with thin\$4 with row\$4 with column\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR · | OFF | 2006/01/13 13:12 |
| S22 5 | 66 | third with thin\$4 with row\$4 with column\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:12 |
| S22 6 | 4 | third near4 row with thin\$4 with third near4 column\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:14 |
| S22 7 | 193 | maintain with color with (arrangement or pattern) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:14 |
| S22 8 | 26 | maintain with color with (arrangement or pattern) with (thin\$4 or reduc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:17 |
| S22 9 | 2617 | thinning .ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:25 |
| S23 0 | 628364 | (thin\$4 or reduc\$4) .ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:26 |
| S23 1 | 1082 | (thin\$4 or reduc\$4) with resolution . ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:26 |

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|----------|------------------------|---|---|----|-----|------------------|--|--|
| S23 2 | 5 | S231 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 13:26 | | |
| S23 3 | 31 | ("3971065" "4779135" "4876590" "5138459" "5164831" "5166987" "5189526").PN. OR ("5418565").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 13:29 | | |
| S23 4 | 24 | ("5418565").URPN. | USPAT | OR | OFF | 2006/01/13 13:40 | | |
| S23 5 | 15 | S234 and bayer | USPAT | OR | OFF | 2006/01/13 13:40 | | |
| S23 6 | 4 | S234 and bayer with (reduc\$4 or thin\$4) | USPAT | OR | OFF | 2006/01/13 13:42 | | |
| S23 7 | 8 | resolution with reduc\$4 with bayer | USPAT | OR | OFF | 2006/01/13 13:46 | | |
| S23 8 | 58334 | preserve | USPAT | OR | OFF | 2006/01/13 13:46 | | |
| S23 9 | 900025 | preserve or maintain | USPAT | OR | OFF | 2006/01/13 13:46 | | |
| S24 0 | 25 | (preserve or maintain) with bayer | USPAT | OR | OFF | 2006/01/13 13:50 | | |
| S24 | 6338 | (preserve or maintain) with pattern | USPAT | OR | OFF | 2006/01/13 13:50 | | |
| S24 2 | 20 | (preserve or maintain) with pattern with colors | USPAT | OR | OFF | 2006/01/13 13:50 | | |
| S24 3 | 218 | bayer with (thinned or reduced) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:42 | | |
| S24 4 | 70 | S243 and third | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 15:56 | | |
| S24 5 | 2 | S243 with third | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:37 | | |
| S24 6 | 9 | S243 and 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:38 | | |

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|----------|-------|--|---|------|-----|------------------|
| S24 7 | 8 | S244 and third near4 row | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:39 |
| S24 8 | 36 | S243 and scan\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR , | OFF | 2006/01/13 14:40 |
| S24 9 | 30075 | bayer and (thinned or reduced) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:42 |
| S25 0 | 15667 | bayer and (thin\$4 or reduc44) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:59 |
| S25 1 | 14 | S250 and every near4 third near4 (line or row or column) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:44 |
| S25 2 | 5 | readout with every with third adj (line or column or row) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:47 |
| S25 3 | 0 | ("2003/0223617").URPN. | USPAT | OR | OFF | 2006/01/13 14:46 |
| S25 4 | 73 | scan\$4 with every with third adj (line or column or row) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:57 |
| S25 5 | 13 | (read-out or read adj out) with every with third adj (line or column or row) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:50 |
| S25 6 | 4 | S254 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:58 |

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|----------|-------|---|---|----|-----|------------------|
| S25 7 | 80 | resolution with reduc\$4 with 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 15:09 |
| S25 8 | . 1 | resolution with reduc\$4 with 1/3 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:58 |
| S25 9 | 44505 | bayer and (thin\$4 or reduc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:59 |
| S26 0 | 30 | S259 and fourth adj line | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 14:59 |
| S26 1 | 515 | resolution with reduc\$4 with third | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 15:09 |
| S26 2 | 6 | resolution with reduc\$4 with third with vertical with horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/13 15:09 |
| S26 3 | 13 | ("20010043276" "20010048477" "4876590" "5177614" "5251036" "5668597" "6118481" "6342921" "6423959" "6426493" "6583818" "6677998" "6707494").PN. OR ("6809764"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 15:10 |
| S26 4 | 40 | ("4047187" "4614975" "4752831" "4876608" "4974092" "5051833" "5164756" "5182649" "5196939" "5233431" "5347371" "5363137" "5394187" "5432331" "5452004" "5563658").PN. OR ("5668597"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 15:17 |
| S26 5 | 3 | reduced with resolution with readout with image adj sensor | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/13 15:17 |

| S26 6 | 437 | weighted with average with interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:14 |
|----------|-----|---|---|------|-----|------------------|
| S26 7 | 391 | weighted adj average with interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 15:58 |
| S26 8 | 88 | weighted adj average with interpolation with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:05 |
| S26 9 | 4 | S268 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 15:59 |
| S27 0 | 5 | weighted adj average with interpolation with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:18 |
| S27 1 | 0 | weighted adj average with interpolation with pixels with divid\$4 with (sum or summed or added) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:06 |
| S27 2 | 1 | weighted adj average with interpolation with pixels with divid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:06 |
| S27 3 | 4 | weighted adj average with interpolation with pixels with (summed or sum) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:15 |
| S27 4 | 40 | weighted adj average with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/11/30 16:11 |
| S27 5 | 0 | weighted adj average with pixels with colors with divid\$4 with (added or sum or summed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:11 |

| S27 6 | 14 | weighted adj average with pixels with divid\$4 with (added or sum or summed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:11 |
|----------|-----|--|---|-----|-----|------------------|
| S27 7 | 663 | weighted with average with interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:14 |
| S27 8 | 0 | S277 and dovid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR- | OFF | 2006/11/30 16:15 |
| S27 9 | 382 | S277 and divid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:15 |
| S28 0 | 6 | weighted adj average with interpolat\$4 with pixels with (summed or sum) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:15 |
| S28 1 | 5 | weighted adj average with interpolat\$4 with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:33 |
| S28 2 | 5 | weight\$4 adj average with interpolat\$4 with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:16 |
| S28 3 | 5 | weight\$4 with average with interpolat\$4 with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:17 |
| S28 4 | 2 | ("5228126" "5384912").PN. OR ("5953016").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/30 16:17 |
| S28 5 | 585 | weighted adj average with interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:19 |

| S28 6 | . 58 | weighted adj average with interpolat\$4 with distance | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:25 |
|----------|------|---|---|----|-----|------------------|
| S28 7 | 6 | weighted adj average with interpolat\$4 with distance with color\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:24 |
| S28 8 | 8 | weight\$4 with average with interpolat\$4 with distance with color\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:24 |
| S28 9 | 1 | weighted adj average with interpolat\$4 with distance with divid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:25 |
| S29 0 | 2016 | bilinear adj interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:59 |
| S29 1 | 1273 | S290 and divid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:33 |
| S29 2 | 212 | S290 and divid\$4 with number with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:34 |
| S29 3 | 186 | S292 and weight\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:34 |
| S29 4 | 4 | S292 and weight\$4 with distance | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:34 |
| S29 5 | 8873 | interpolation .ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:02 |

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|----------|-------|---|---|------|-----|------------------|
| S29 6 | 19482 | weighted adj average | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:59 |
| S29 7 | 256 | weighted adj average .ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 16:59 |
| S29 8 | 4 | S297 and S295 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:00 |
| S29 9 | 47 | interpolation with divid\$4 with number with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:02 |
| S30 0 | 18 | S299 and weight\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:02 |
| S30 1 | 18 | S300 and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:33 |
| S30 2 | 2 | ("3559542").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:34 |
| S30 3 | 2 | ("5455711").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:38 |
| S30 4 | 2 | ("5414656").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/11/30 17:38 |
| S30 5 | 2 | ("5418565").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:38 |

| S30 6 | 35 | ("3971065" "4779135" "4876590" "5138459" "5164831" "5166987" "5189526").PN. OR ("5418565").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/30 17:57 |
|----------|------|--|---|------|-----|------------------|
| S30 7 | 9 | "6011661" | US-PGPUB; USPAT; USOCR | OR · | OFF | 2006/11/30 17:47 |
| S30 8 | 2 | ("6011661").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:48 |
| S30 9 | 3 | ("4104649").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/30 17:48 |
| S31 0 | 9 | S306 and weight\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/30 18:01 |
| S31 1 | 32 | ("4139860" "4200890" "4249213" "4266242" "4278993" "4282546" "4302776" "4360831" "4409618" "4568981" "4602286" "4636864").PN. OR ("4779135").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/30 18:01 |
| S31 2 | 7 | S311 and weight\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/30 18:01 |
| S31 3 | 2 | ("5734427").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/04 17:22 |
| S31 4 | 338 | (348/272).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S31 5 | 3126 | interpolat\$4 and thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S31 6 | 807 | (interpolat\$4 and thinning) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

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|----------|------|--|---|----|-------|------------------|
| S31 7 | 255 | ((interpolat\$4 and thinning) and (red and blue and green)) and lcd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OŘ | OFF | 2007/05/02 13:33 |
| S31 8 | 248 | (((interpolat\$4 and thinning) and (red and blue and green)) and lcd) and pixel\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S31 9 | 1107 | interpolat\$4 with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF / | 2007/05/02 13:33 |
| S32 0 | | ((348/272).CCLS.) and interpolat\$4 with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S32 1 | 167 | ((348/272).CCLS.) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S32 2 | 20 | (((348/272).CCLS.) and interpolat\$4) and thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S32 3 | 42 | (((348/272).CCLS.) and interpolat\$4) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S32 4 | 235 | (interpolat\$4 with thinning) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S32 5 | 227 | ((interpolat\$4 with thinning) and (red and blue and green)) and pixel\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S32 6 | 166 | (((interpolat\$4 with thinning) and (red and blue and green)) and pixel\$2) and camera | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

| S32 7 | 153 | ((((interpolat\$4 with thinning) and (red and blue and green)) and pixel\$2) and camera) and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
|-----------|-------|--|---|------|-----|------------------|
| S32 8 | 640 | (interpolat\$4 with thinning) and pixel\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S32 9 | 327 | ((interpolat\$4 with thinning) and pixel\$2) and matrix | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S33 0 | 169 | (((interpolat\$4 with thinning) and pixel\$2) and matrix) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S33 1 | 61 | ((((interpolat\$4 with thinning) and pixel\$2) and matrix) and (red and blue and green)) and (diode\$2 or photo-diod\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S33 2 | 6 | ("4642678" "4967264" "5519452" "5734427" "5828406" "5909247").PN. | USPAT | OR | OFF | 2007/05/02 13:33 |
| S33 3 | 4 | "6593965".URPN. | USPAT | OR . | OFF | 2007/05/02 13:33 |
| S33 4 | 30 | ((348/272).CCLS.) and thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| \$33 5 | 96 | ((348/272).CCLS.) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S33 6 | 42 | (((348/272).CCLS.) and thin\$4) and interpol\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S33 7 | 52408 | interpolat\$4 and lines | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

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|----------|---------|--|---|----|-----|------------------|
| S33 8 | 8697 | interpolat\$4 with (lines or coloumns or rows) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S33 9 | 1549 | (interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 0 | 1312 | ((interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green)) and pixel\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 1 | 2248217 | (((interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green)) and pixel\$2) nd display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 2 | 1111 | (((interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green)) and pixel\$2) and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 3 | 888 | ((((interpolat\$4 with (lines or coloumns or rows)) and (red and blue and green)) and pixel\$2) and display) and resolution | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 4 | 422 | (interpolat\$4 with thinning) and resolution | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 5 | 310 | ((interpolat\$4 with thinning) and resolution) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 6 | 123 | (((interpolat\$4 with thinning) and resolution) and pixels) and (red and blue and green) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 7 | 89 | (interpolat\$4 and thinning) and reduction adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

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|------------|--------|---|---|----|-----|------------------|
| S34 8 | 24965 | interpolat\$4 and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S34 9 | 2036 | interpolat\$4 with thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S35 0 | 58 | (interpolat\$4 with thin\$4) and reduction adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S35 1 | 6 | (interpolat\$4 with thin\$4) with reduction adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| - S35 2 | 0 | thinning adj before adj interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S35 3 | 0 | thinning near2 before adj interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S35 4 | 4 | thinning near2 before near2 interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S35 5 | 301 | line adj dropping | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S35 6 | 31 | (line adj dropping) and interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S35 7 | 191398 | display and camera | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

| S35 8 | 16552 | (display and camera) and interpolat\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF . | 2007/05/02 13:33 |
|----------|-------|--|---|----|-------|------------------|
| S35 9 | 13620 | ((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 0 | 8795 | (((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 1 | 1102 | ((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 2 | 599 | (((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 3 | 384 | ((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and red | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 4 | 302 | (((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and red) and green | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 5 | 295 | (((((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and red) and green) and blue | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 6 | 419 | ((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and RGB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

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|------------------|-----|---|---|----|------------------|------------------|
| S36 7 | 599 | ((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 8 | 462 | ((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and (RGB or (red and green and blue)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S36 9 | 229 | (((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and (RGB or (red and green and blue))) and lcd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S37 0 | 27 | ((((((((display and camera) and interpolat\$5) and (compres\$5 or thin\$3 or reduce)) and pixels) and ((reduction or compression) adj ratio)) and ccd) and (RGB or (red and green and blue))) and lcd) and interpolation with compression | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S37 ⁻ | 96 | thin\$4 with (before or prior) with interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF ⁻ | 2007/05/02 13:33 |
| S37 2 | 165 | (348/333.11).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S37 3 | 50 | ((348/333.11).CCLS.) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S37 4 | 28 | (((348/333.11).CCLS.) and thin\$4) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S37 5 | 0 | "20030122952".URPN. | USPAT | OR | OFF | 2007/05/02 13:33 |

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|----------|------|--|---|----|-----|------------------|
| S37 6 | 22 | (((348/333.11).CCLS.) and thin\$4) not ((((348/333.11).CCLS.) and thin\$4) and interpolat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S37 7 | 115 | ((348/333.11).CCLS.) not (((348/333.11).CCLS.) and thin\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S37 8 | 81 | (((348/333.11).CCLS.) not (((348/333.11).CCLS.) and thin\$4)) and reduc\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S37 9 | 28 | ((((348/333.11).CCLS.) not (((348/333.11).CCLS.) and thin\$4)) and reduc\$5) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S38 0 | 2 | ((348/333.11).CCLS.) and reduction adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S38 1 | 0 | genarate with thumbnail adj image | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S38 2 | 0 | genarate with thumbnail adj image | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S38 3 | 5238 | thumbnail adj image | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S38 4 | 1744 | (thumbnail adj image) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S38 5 | 53 | ((thumbnail adj image) and pixels) and 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

| S38 6 | 5 | (((thumbnail adj image) and pixels) and 1/3) and 1/5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
|----------|--------|--|---|----|-----|------------------|
| S38 7 | 61691 | resolution with reduc\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S38 8 | 8588 | (resolution with reduc\$5) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S38 9 | 2441 | ((resolution with reduc\$5) and interpolat\$4) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S39 0 | 181 | (348/333.05).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S39 1 | 33 | ((348/333.05).CCLS.) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S39 2 | 18 | (((348/333.05).CCLS.) and interpolat\$4) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S39 3 | 853269 | compression | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S39 4 | 38202 | compression and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

| S39 5 | 48 | (compression and pixels) and (3x3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
|----------|--------|--|---|----|-----|------------------|
| S39 6 | 4930 | (compression and pixels) and compression adj ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S39 7 | 1816 | ((compression and pixels) and compression adj ratio) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S39 8 | 835 | (((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S39 9 | . 29 | ((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (3x3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 0 | 194078 | ((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and rgb or (red and green and blue) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 1 | 553 | ((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 2 | 204 | (((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue))) and 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 3 | 360 | (((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue))) and (column\$3 and row\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 4 | 348 | ((((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue))) and (column\$3 and row\$2)) and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

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|----------|------|--|---|----|-----|------------------|
| S40 5 | 182 | (((((((compression and pixels) and compression adj ratio) and interpolat\$4) and matrix) and (rgb or (red and green and blue))) and (column\$3 and row\$2)) and display) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 6 | 6 | color adj interpolation with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 7 | 794 | interpolation with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 8 | 102 | (interpolation with thinning) with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S40 9 | 386 | (interpolation with thinning) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S41 0 | 284 | ((interpolation with thinning) and pixels) not ((interpolation with thinning) with pixels) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S41 1 | 1107 | interpolat\$4 with thinning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S41 2 | 2036 | interpolat\$4 with thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S41 3 | 1046 | (interpolat\$4 with thin\$4) and pixel\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

| S41 4 | 45 | ((interpolat\$4 with thin\$4) and pixel\$3) and ("same" adj arrangement) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2007/05/02 13:33 |
|----------|--------|--|---|------|-----|------------------|
| S41 5 | 147552 | ((interpolat\$4 with thin\$4) and pixel\$3) (rows and columns) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S41 6 | 165 | ((interpolat\$4 with thin\$4) and pixel\$3) and (rows and columns) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S41 7 | 57020 | nikon .asn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S41 8 | 133 | (nikon .asn.) and kuroiwa | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S41 9 | 11866 | "89" and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S42 0 | 11 | ((nikon .asn.) and kuroiwa) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S42 1 | 17039 | image adj compression | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S42 2 | 62541 | resolution with (reduce or redu\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR · | OFF | 2007/05/02 13:33 |
| S42 3 | 26158 | (resolution with (reduce or redu\$6)) and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

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|----------|-------|---|---|----|-----|------------------|
| S42 4 | 287 | ((resolution with (reduce or redu\$6)) and display) and third adj column | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S42 5 | 56 | (((resolution with (reduce or redu\$6)) and display) and third adj column) and fifth adj column | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S42 6 | 4514 | ((resolution with (reduce or redu\$6)) and display) and interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S42 7 | 5675 | ((resolution with (reduce or redu\$6)) and display) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S42 8 | 4264 | (((resolution with (reduce or redu\$6)) and display) and interpolat\$4) and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S42 9 | 62 | ((((resolution with (reduce or redu\$6)) and display) and interpolat\$4) and pixels) and third adj column | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S43 0 | 46821 | image with (resolution or size) with reduc\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S43 1 | 13020 | (image with (resolution or size) with reduc\$6) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S43 2 | 2074 | ((image with (resolution or size) with reduc\$6) and thin\$4) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S43 3 | 3110 | image with (resolution or size) with reduc\$6 with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

| S43 4 | 1140 | (image with (resolution or size) with reduc\$6 with pixels) and thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
|-----------------------|------|--|---|----|-----|------------------|
| S43 5 | 309 | ((image with (resolution or size) with reduc\$6 with pixels) and thin\$4) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S43 6 | 147 | (((image with (resolution or size) with reduc\$6 with pixels) and thin\$4) and interpolat\$4) and colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S43 ⁻ 7 | 6 | ("4642653" "4969052" "5032851" "5758034" "5818488" "6189993").PN. | USPAT | OR | OFF | 2007/05/02 13:33 |
| S43 8 | 3 | "6328404".URPN. | USPAT | OR | OFF | 2007/05/02 13:33 |
| S43 9 | 96 | thin\$3 with color adj conversion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S44 0 | 4 | ("5796429" "5806072" "5870143" "6020920").PN. | USPAT | OR | OFF | 2007/05/02 13:33 |
| S44 1 | 20 | "6201571".URPN. | USPAT | OR | OFF | 2007/05/02 13:33 |
| S44 2 | 2202 | thin\$3 with image with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S44 3 | 644 | thin\$3 with image with pixels with display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S44 4 | 73 | (thin\$3 with image with pixels with display) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S44 5 | 6 | ("4642678" "4967264" "5519452" "5734427" "5828406" "5909247").PN. | USPAT | OR | OFF | 2007/05/02 13:33 |

| S44 6 | 10 | (US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did. | US-PGPUB; USPAT | OR | OFF | 2007/05/02 13:33 |
|----------|------|--|---|----|-----|------------------|
| S44 7 | 1 | ((US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did.) and diod\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S44 8 | 6432 | ((US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did.) and photodiode or photo-diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S44 9 | 0 | ((US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did.) and (photodiode or photo-diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 0 | 9810 | image adj sensor and (photodiode or photo-diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 1 | 1069 | (image adj sensor and (photodiode or photo-diode)) and color adj filters | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 2 | 9 | interploat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 3 | 11 | ((US-6593965-\$ or US-6002429-\$ or US-5867634-\$ or US-5604530-\$ or US-5038202-\$ or US-6091513-\$ or US-6328404-\$ or US-6546130-\$ or US-6201571-\$).did. or (US-20030122952-\$).did.) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |

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|----------|------|--|---|----|-----|------------------|
| S45 4 | 268 | ((image adj sensor and (photodiode or photo-diode)) and color adj filters) and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 5 | 4139 | image adj sensor with (photodiode or photo-diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 6 | 330 | (image adj sensor with (photodiode or photo-diode)) and color adj filters | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 7 | 250 | ((image adj sensor with (photodiode or photo-diode)) and color adj filters) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 8 | 2 | ("5900623").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S45 9 | 2 | ("5900623").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S46 0 | 2 | ("5900623").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S46 1 | 2 | "08256285" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S46 2 | 0 | vellecco .xa. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:33 |
| S46 3 | 170 | villecco .xa. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

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|----------|------|---|---|------|-----|--------------------|
| S46 4 | 5 | S463 and pentax | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S46 5 | 10 | ("4642678" "4967264" "5519452" "5734427" "5828406" "5909247").PN. OR ("6593965"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S46 6 | 9 | (US-20030122952-\$).did. or (US-5038202-\$ or US-5604530-\$ or US-5867634-\$ or US-6002429-\$ or US-6091513-\$ or US-6201571-\$ or US-6328404-\$ or US-6546130-\$ or US-6593965-\$).did. | US-PGPUB; USPAT | OR | OFF | . 2007/05/02 13:34 |
| S46 7 | 24 | ("5796429" "5806072" "5870143" "6020920").PN. OR ("6201571"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S46 8 | 2354 | line with thinning | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S46 9 | 152 | S468 and RGB | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S47 0 | 151 | S469 and "1,1" | US-PGPUB; USPAT; USOCR | OR · | OFF | 2007/05/02 13:34 |
| S47 1 | 0 | S470 and m,n+3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S47 2 | 0 | S470 and "m,n+3" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S47 3 | 0 | S470 and "m, n+3" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S47 4 | 4 | S470 and "n+3" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S47 5 | 0 | S469 and second adj green | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S47 6 | 25 | S469 and row\$4 with column\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S47 7 | 8 | ("5463725" "5515497" "5696982" "5801713" "5900876").PN. OR ("6441811").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |

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|----------|-------|--|------------------------------|----|--------------|------------------|
| S47 8 | 8 | ("4841377" "5724153" "5870174" "5903317" "5907640" "5930007").PN. OR ("6091513"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S47 9 | 14 | S469 and every adj third | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 0 | 3 | S469 and every near4 third near4 row | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 1 | 190 | thin\$4 and every near4 third near4 row | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 2 | 0 | S481 and "every" near4 "other" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 3 | 96 | every near4 third near4 row near4 column | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 4 | 51049 | (every near4 third near4 row near4 column) nwith thinning | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 5 | 0 | (every near4 third near4 row near4 column) with thinning | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 6 | 0 | (every near4 third near4 row near4 column) with thin\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 7 | 0 | (every near4 forth near4 row near4 column) with thin\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 8 | 8 | ("5463725" "5515497" "5696982" "5801713" "5900876").PN. OR ("6441811").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S48 9 | 2674 | (thinning or thinned) with pixel\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 0 | 38 | S489 and every adj third | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 1 | 1770 | (thinning or thinned) with third | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 2 | 13 | (thinning or thinned) with third with row\$2 with column\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |

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|----------|-----|---|------------------------------|----|-----|------------------|
| S49 3 | 140 | (thinning or thinned) with third with line\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 4 | 0 . | (thinning or thinned) with third with line\$3 with rgb | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 5 | 7 | (thinning or thinned) with third with line\$3 and rgb | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 6 | 6 | (thinning or thinned) with third with line\$3 and bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 7 | 89 | reduc\$3 with pixels with third with (line\$4 or rows or columns) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 8 | 7 | S497 and bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S49 9 | 9 | ("5197108" "5309524" "5319719" "5489990" "5646741" "5870504" "5875268" "5926578" "5943433").PN. OR ("6289133"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S50 0 | 502 | thinning and pixels and 1/3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S50 1 | 12 | thinning with pixels with 1/3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S50 2 | 39 | ("4703352" "5122873" "5193003" "5200962" "5293230" "5305103" "5331414" "5384869" "5469216" "5488618" "55953160" "5598214" "5610658" "5625712" "5663764" "5666164" "5680225" "5687257" "5734433" "5739873" "5754702" "5812699" "5825313" "5867593" "5870434" "5980784" "5912708" "5930394" "5960116" "5966179" "5969764" "6016164").PN. OR ("6292591").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S50 3 | 5 | S502 and rgb | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |

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| S50 4 | 78 | thinning with 1/3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S50 5 | 0 | thinning with 1/3 with bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02.13:34 |
| S50 6 | 1 | thinning with 1/3 with color | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S50 7 | 0 | thinning with 1/3 with arrangment | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S50 8 | 0 | thinning with 1/3 with arrangement | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S50 9 | 1 | thinning with 1/3 with pattern | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S51 0 | 15 | thinning with 1/3 and maintain | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S51 1 | 0 | thinning with 1/3 and maintain with bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S51 2 | 1 | thinning and maintain with bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S51 3 | 1810106 | maintain | US-PGPUB; USPAT; USOCR | OR . | OFF | 2007/05/02 13:34 |
| S51 4 | 166 | maintain\$4 with bayer | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S51 5 | 1 | maintain\$4 with bayer with thin\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S51 6 | 12 | maintain\$4 with bayer with (thin\$4 or reduc\$4) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S51 7 | 3 | maintain\$4 with bayer with color with filter | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S51 8 | 129 | bayer with thin\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |

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| S51 9 | 0 | bayer with thin\$4 with 1/3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S52 0 | 1 | bayer with thin\$4 with third | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S52 1 | 7917 | red and green and blue and 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S52 2 | 7101418 | red and green and blue and 1/3 and thin\$4 or reduc\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S52 3 | 7453 | red and green and blue and 1/3 and (thin\$4 or reduc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S52 4 | 507 | S523 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S52 5 | 31 | S524 and 1/3 with (reduc\$4 or thin\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S52 6 | 116 | S524 and 1/4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S52 7 | 13 | (US-20030122952-\$).did. or (US-5038202-\$ or US-5604530-\$ or US-5867634-\$ or US-6002429-\$ or US-6091513-\$ or US-6201571-\$ or US-6328404-\$ or US-6546130-\$ or US-6593965-\$ or US-6441811-\$ or US-6289133-\$ or US-6292591-\$ or US-5912708-\$).did. | US-PGPUB; USPAT | OR | OFF | 2007/05/02 13:34 |
| S52 8 | 1 | S527 and repeat\$4 with pattern | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

| S52 9 | 12 | S527 and repeat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
|----------|-------|---|---|----|-------|------------------|
| S53 0 | 17129 | green with blue with red .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S53 1 | 1641 | S530 and (reduc\$4 or thinn\$4) .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S53 2 | 11 | S531 and 1/3 .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S53 3 | 406 | thinned with pixel with data | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S53 4 | 18 | S533 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S53 5 | 2146 | 1/3 with thin\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF . | 2007/05/02 13:34 |
| S53 6 | 3 | 1/3 with thin\$4 with row with column | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S53 7 | 7 | 1/3 with thin\$4 with row\$4 with column\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S53 8 | 81 | third with thin\$4 with row\$4 with column\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

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|----------|--------|---|---|----|-----|------------------|
| S53 9 | 6 | third near4 row with thin\$4 with third near4 column\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S54 0 | 215 | maintain with color with (arrangement or pattern) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S54 1 | 27 | maintain with color with (arrangement or pattern) with (thin\$4 or reduc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S54 2 | 2913 | thinning .ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S54 3 | 681572 | (thin\$4 or reduc\$4) .ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S54 4 | 1182 | (thin\$4 or reduc\$4) with resolution . ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S54 5 | 7 | S544 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S54 6 | 35 | ("3971065" "4779135" "4876590" "5138459" "5164831" "5166987" "5189526").PN. OR ("5418565").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S54 7 | 28 | ("5418565").URPN. | USPAT | OR | OFF | 2007/05/02 13:34 |
| S54 8 | 18 | S547 and bayer | USPAT | OR | OFF | 2007/05/02 13:34 |
| S54 9 | 5 | S547 and bayer with (reduc\$4 or thin\$4) | USPAT | OR | OFF | 2007/05/02 13:34 |
| S55 0 | 8 | resolution with reduc\$4 with bayer | USPAT | OR | OFF | 2007/05/02 13:34 |
| S55 1 | 64203 | preserve | USPAT | OR | OFF | 2007/05/02 13:34 |
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|----------|--------|---|---|------|-----|------------------|
| S55 2 | 963676 | preserve or maintain | USPAT | OR . | OFF | 2007/05/02 13:34 |
| S55 3 | 26 | (preserve or maintain) with bayer | USPAT | OR | OFF | 2007/05/02 13:34 |
| S55 4 | 6952 | (preserve or maintain) with pattern | USPAT | OR | OFF | 2007/05/02 13:34 |
| S55 5 | 22 | (preserve or maintain) with pattern with colors | USPAT | OR | OFF | 2007/05/02 13:34 |
| S55 6 | 252 | bayer with (thinned or reduced) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S55 7 | 86 | S556 and third | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S55 8 | 3 | S556 with third | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S55 9 | 11 | S556 and 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S56 0 | 10 | S557 and third near4 row | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S56 1 | 48 | S556 and scan\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S56 2 | 35067 | bayer and (thinned or reduced) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S56 3 | 18465 | bayer and (thin\$4 or reduc44) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

| S56 4 | 18 | S563 and every near4 third near4 (line or row or column) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
|----------|-------|--|---|----|-----|------------------|
| S56 5 | 6 | readout with every with third adj (line or column or row) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S56 6 | 0 | ("2003/0223617").URPN. | USPAT | OR | OFF | 2007/05/02 13:34 |
| S56 7 | 80 | scan\$4 with every with third adj (line or column or row) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S56 8 | 15 | (read-out or read adj out) with every with third adj (line or column or row) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S56 9 | 4 | S567 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S57 0 | 98 | resolution with reduc\$4 with 1/3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S57 1 | 2 | resolution with reduc\$4 with 1/3 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S57 2 | 51206 | bayer and (thin\$4 or reduc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S57 3 | 38 | S572 and fourth adj line | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

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|----------|-----|---|---|------|-----|------------------|
| S57 4 | 603 | resolution with reduc\$4 with third | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S57 5 | 8 | resolution with reduc\$4 with third with vertical with horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S57 6 | 17 | ("20010043276" "20010048477" "4876590" "5177614" "5251036" "5668597" "6118481" "6342921" "6423959" "6426493" "6583818" "6677998" "6707494").PN. OR ("6809764"). URPN. | US-PGPUB; USPAT; USOCR | OR . | OFF | 2007/05/02 13:34 |
| S57 7 | 44 | ("4047187" "4614975" "4752831" "4876608" "4974092" "5051833" "5164756" "5182649" "5196939" "5233431" "5347371" "5363137" "5394187" "5432331" "5452004" "5563658").PN. OR ("5668597"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S57 8 | 6 | reduced with resolution with readout with image adj sensor | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S57 9 | 5 | weighted adj average with interpolation with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S58 0 | 471 | weighted with average with interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S58 1 | 410 | weighted adj average with interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S58 2 | 92 | weighted adj average with interpolation with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

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| S58 3 | 5 | S582 and bayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S58 4 | 1 | weighted adj average with interpolation with pixels with divid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF . | 2007/05/02 13:34 |
| S58 5 | 0 | weighted adj average with interpolation with pixels with divid\$4 with (sum or summed or added) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S58 6 | 4 | weighted adj average with interpolation with pixels with (summed or sum) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S58 7 | 14 | weighted adj average with pixels with divid\$4 with (added or sum or summed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2007/05/02 13:34 |
| S58 8 | 41 | weighted adj average with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S58 9 | 0 | weighted adj average with pixels with colors with divid\$4 with (added or sum or summed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 0 | 706 | weighted with average with interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 1 | 0 | S590 and dovid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 2 | 6 | weighted adj average with interpolat\$4 with pixels with (summed or sum) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

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|----------|-------|---|---|----|-----|------------------|
| S59 3 | 409 | S590 and divid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 4 | 5 | weighted adj average with interpolat\$4 with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 5 | 5 | weight\$4 with average with interpolat\$4 with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 6 | 5 | weight\$4 adj average with interpolat\$4 with pixels with colors | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 7 | 20737 | weighted adj average | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 8 | 273 | weighted adj average .ti. | US-PGPUB; USPAT; EPO; JPO; · DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S59 9 | 47 | interpolation with divid\$4 with number with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S60 0 | 18 | S599 and weight\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S60 1 | 9147 | interpolation .ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S60 2 | 7 | S598 and S601 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

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| S60 3 | 2 | ("5228126" "5384912").PN. OR ("5953016").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S60 4 | 2 | ("3559542").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S60 5 | 8 | weighted adj average with interpolat\$4 with distance with color\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S60 6 | 2 | ("5418565").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S60 7 | 2 | ("5455711").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S60 8 | 10 | weight\$4 with average with interpolat\$4 with distance with color\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S60 9 | 612 | weighted adj average with interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 0 | 1 | weighted adj average with interpolat\$4 with distance with divid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 1 | 2156 | bilinear adj interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 2 | 63 | weighted adj average with interpolat\$4 with distance | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |

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|----------|------|---|---|----|-----|------------------|
| S61 3 | 1353 | S611 and divid\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 4 | 228 | S611 and divid\$4 with number with pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 5 | 200 | S614 and weight\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 6 | 4 | S614 and weight\$4 with distance | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 7 | 18 | S600 and pixels | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 8 | 2 | ("5414656").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S61 9 | 35 | ("3971065" "4779135" "4876590" "5138459" "5164831" "5166987" "5189526").PN. OR ("5418565").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S62 0 | 2 | ("6011661").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S62 1 | 3 | ("4104649").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |
| S62 2 | 9 | S619 and weight\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |

| S62 3 | 32 | ("4139860" "4200890" "4249213" "4266242" "4278993" "4282546" "4302776" "4360831" "4409618" "4568981" "4602286" "4636864").PN. OR ("4779135").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
|----------|----|---|---|----|-----|------------------|
| S62 4 | 12 | "6011661" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S62 5 | 7 | S623 and weight\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/02 13:34 |
| S62 6 | 2 | ("5734427").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/02 13:34 |